



IFW
Docket Number: A-1906

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: /
Chang /
U.S. Serial Number: 10/760,629 / Group Art: 2643
Filed: 1-20-04 / Examiner: Unknown
For: DIRECTIONALLY-MAPPED, KEYED /
ALPHA-NUMERIC DATA /
INPUT/OUTPUT SYSTEM /

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Commissioner for Patents
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INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. 1.56 and 1.97, Applicants wish to call the attention of the Examiner to the references that are listed on the attached PTO form 1449. No copies of the references are being provided per 37 C.F.R. 1.98(d), since they were cited by or submitted to the Office in parent application now U.S. Patent Number 6,681,022.

Applicant respectfully requests that the cited references be listed on the face of any patent issuing from this application.

These citations do not constitute an admission that the references are relevant or material to the claims, but rather only constitute the closest art of which Applicants are presently aware.

Respectfully Submitted

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6.14.04
Date

Form PTO-1449

Docket Number (Optional) **A-1906**Application Number **10/760,629****INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

Applicant **Chang**Filing Date **1-20-04**Group Art Unit **2643****JUN 17 2004****U. S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	RULING DATE IF APPROPRIATE
	3,967,273	6/1976	Knowlton	379	93.27	
	4,825,464	4/1989	Wen	379	354	
	4,918,721	4/1990	Hashimoto	379	96	
	5,249,220	9/1993	Moskowitz et al.	379	93.26	
	5,339,358	8/1994	Danish et al.	379	93.27	
	5,528,235	6/1996	Lin et al	341	22	
	5,559,512	9/1996	Jasinski et al	708	142	
	5,790,103	8/1998	Willner	345	168	
	6,043,761	3/2000	Burrell, IV	379	93.18	
	6,320,942	11/2001	Chang	379	93.27	
	6,459,777	10/2002	Chang	379	93.27	
	6,681,022	1/2004	Chang	379	93.27	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	GB 2242047A	12/03	UK				
	09011663	1/24/97	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Demande de Brevet European; 0 397 164; 11/14/1990
		Demande de Brevet D'Invention; 2 674 043
		Deutsches Patentamt DE 3446147 A1; 12/18/84
		PCT Search Report for Corresponding PCT Application NO. PCT/US99/30129

EXAMINER**DATE CONSIDERED**

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered.
Include copy of this form with next communication to the applicant.